



PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet **1** of **3****Complete if Known**

Application Number	09/848,966
Filing Date	May 4, 2001
First Named Inventor	Richard L. Cunningham
Art Unit	2673
Examiner Name	Nitin Patel
Attorney Docket Number	IMMR028/00US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		6,422,941	7/23/2002	Thorne et al.	
		6,160,489	12/12/2000	Perry et al.	
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		5,575,761	11/19/1996	Hajianpour	
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		5,436,622	7/25/1995	Gutman et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	H2-185278		7/19/1990	Taito Corporation	—
		JP	H4-8381		1/13/1992	Epoch Co. and Key- Planning Co.	—
		JP	H7-24147		1/27/1995	Sega Corporation	—
		JP	H5-192449		8/3/1993	Taito Corporation	—

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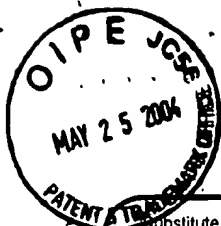
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² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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		CALDER, "Design of A Force-Feedback Touch-Introducing Actuator For Teleoperator Robot Control," <i>Bachelor of Science Thesis</i> , MIT, May 1983, archived June 23, 1983.
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		BLISS, "Optical-to-Tactile Image Conversion for the Blind," <i>IEEE Transactions on Man-Machine Systems</i> , Vol. MMS-11, No. 1, March 1970.
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		PIMENTEL et al., "Virtual Reality: through the new looking glass," 2 nd Edition; McGraw-Hill, ISBN 0-07-050167-X, pp. 41-202, 1994.
		"Cyberman Technical Specification," <i>Logitech Cyberman SWIFT Supplement to Logitech Mouse Technical Reference and Programming Guide</i> , 4/5/1994.
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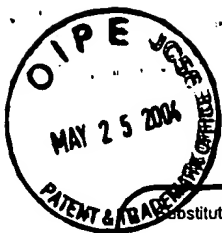
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		First Named Inventor	Richard L. Cunningham		
		Art Unit	2673		
		Examiner Name	Nitin Patel		
Sheet	3	of	3	Attorney Docket Number	IMMR028/00US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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MLP		YAMAKITA et al., "Tele-Virtual Reality of Dynamic Mechanical Model," <i>Proceedings of the 1992 IEEE/RSJ International Conference on Intelligent Robots and Systems</i> , Raleigh, NC, July 7-10, 1992
		NOLL, "Man-Machine Tactile," <i>SID Journal</i> , July/August 1972 Issue.
		ROSENBERG, "Virtual Fixtures: Perceptual Overlays Enhance Operator Performance in Telepresence Tasks," <i>Ph.D. Dissertation</i> , Stanford University, June 1994.

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Substitute for form 1449A/PTO		Complete If Known	
		Application Number	09/848,966
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	May 4, 2001
		First Named Inventor	Richard L. Cunningham
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		Examiner Name	Nitin Patel
		Attorney Docket Number	IMMR028/00US
Sheet	1	of	6

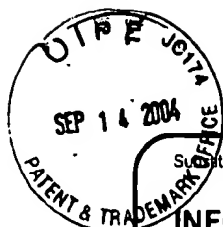
U.S. Patents or Published Patent Applications

Examiner Initial	Patent No.	Date	Patentee	Class	Sub-Class	Filing Date
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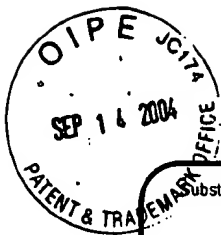
Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known	
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Sheet	2	of	6

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Examiner: <i>NP</i>	Date Considered: <i>4-13-06</i>
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		Examiner Name	Nitin Patel
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Sheet	3	of	6

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Examiner: <i>MS</i>	Date Considered: <i>4-14-06</i>
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Sheet	4	of	6
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Examiner: <i>NSP</i>	Date Considered: <i>4-14-86</i>
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Sheet	5	of	6

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Examiner Initial	Author, Title, Date, Place (e.g. Journal) of Publication
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		Hasser, C. et al., "Tactile Feedback With Adaptive Controller for a Force-Reflecting Haptic Display--Part 1: Design," IEEE 0-7803-3131, Jan. 1996.
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Form PTO 1449
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Patent and Trademark OfficesAtty. Docket No.
IMMR-IMMD008
(034701-059)Serial No.
09/848,966

Information Disclosure Statement by Applicant

Applicant:
Richard L. CUNNINGHAM

(Use several sheets if necessary)

Filed:
05/04/2001Group:
2673

U.S. Patent Documents

Init.	Document No.	Date	Name	Class	Subclass	Date
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	3520060	07/14/1970	Crabtree et al.			07/01/1969
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U.S. Patent Application Publications

Init.	Document No.	Date	Name	Class	Subclass	Date
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Init.	Document No.	Date	Country	Class	Subclass	Yes	No
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Examiner

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Form PTO 1449 (Rev. 2-32) U.S. Department of Commerce Patent and Trademark Offices				Atty. Docket No. IMMR-IMD0008 (034701-059)		Serial No. 09/848,966		
Information Disclosure Statement by Applicant (Use several sheets if necessary)				Applicant: Richard L. CUNNINGHAM				
				Filed: 05/04/2001		Group: 2673		
U.S. Patent Documents								
Init.		Document No.	Date	Name	Class	Subclass	Date	
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Form PTO 1449 (Rev. 2-32) U.S. Department of Commerce Patent and Trademark Offices				Atty. Docket No. CAP-001 (036310-002)		Serial No. 10/925,330 09/848,966	
Information Disclosure Statement by Applicant				Applicant: Pengcheng Jia			
(Use several sheets if necessary)				Filed: 8/23/2004		Group: 2817	
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Init.		Document No.	Date	Name	Class	Subclass	Date
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Examiner NLP					Date Considered 4-13-06		
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Form PTO 1449 (Rev. 2-32) U.S. Department of Commerce Patent and Trademark Offices				Atty. Docket No. IMMR-IMMD008 (034701-059)		Serial No. 09/848,966		
Information Disclosure Statement by Applicant				Applicant: Richard L. CUNNINGHAM				
(Use several sheets if necessary)				Filed: 05/04/2001		Group: 2673		
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Init.		Document No.	Date	Name	Class	Subclass	Date	
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Examiner					Date Considered			
<i>MB</i>					4-13-06			
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Form PTO 1449 (Rev. 2-32) U.S. Department of Commerce Patent and Trademark Offices				Atty. Docket No. IMMR-IMMD008 (034701-059)		Serial No. 09/848,966		
Information Disclosure Statement by Applicant				Applicant: Richard L. CUNNINGHAM				
(Use several sheets if necessary)				Filed: 05/04/2001		Group: 2673		
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Init.		Document No.	Date	Name	Class	Subclass	Date	
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Examiner <i>Nb</i>					Date Considered <i>4-13-06</i>			
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Information Disclosure Statement by Applicant				Applicant: Richard L. CUNNINGHAM				
(Use several sheets if necessary)				Filed: 05/04/2001		Group: 2673		
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Init.		Document No.	Date	Name	Class	Subclass	Date	
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							Translation	
Init.		Document No.	Date	Country	Class	Subclass	Yes	No
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